SEQUENCE LISTING

<110> Padgett, Hal S.
Lindbo, John A.
Fitzmaurice, Wayne P.

<120> A Method of Increasing Complementarity
In A Heteroduplex

<130> P-LG 4878

<160> 15

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 717
<212> DNA
<213> Aequorea victoria

<400> 1
```
atgagtaaag gagaagaact tttcactgga gttgtcccaa ttcttgttga attagatggt 60
gatgttaatg ggcacaaatt ttctgtcagt ggagagggtg aaggtgatgc aacatacgga 120
aaacttaccc ttaaatttat ttgcactact ggaaaactac ctgttccatg gccaacactt 180
gtcactactt tctcttatgg tgttcaatgc ttttcaagat acccagatca tatgaaacgg 240
catgactttt tcaagagtgc catgcccgaa ggttatgtac aggaaagaac tatatttttc 300
aaggatgacg ggaactacaa gacacgtgct gaagtcaagt ttgaaggtga tacccttgtt 360
aatagaatcg agttaaaagg tattgatttt aaagaagatg gaaacattct tggacacaaa 420
ttggaataca actataactc acacaatgta tacatcatgg cagacaaaca aaagaatgga 480
atcaaagtta acttcaaaat tagacacaac attgaagatg gaagcgttca actagcagac 540
cattatcaac aaaatactcc aattggcgat ggccctgtcc ttttaccaga caaccattac 600
ctgtccacac aatctgccct ttcgaaagat cccaacgaaa agagagacca catggtcctt 660
cttgagtttg taacagctgc tgggattaca catggcatgg atgaactata caaataa    717
```

<210> 2
<211> 717
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 2
```
atgagtaaag gagaagaact tttcactgga gttgtcccaa ttcttgttga attagatggt 60
gatgttaatg ggcacaaatt ttctgtcagt ggagagggtg aaggtgatgc tacatacgga 120
aagcttaccc ttaaatttat ttgcactact ggaaaactac ctgttccatg gccaacactt 180
gtcactactt tctcttatgg tgttcaatgc ttttcccgtt atccggatca tatgaaacgg 240
catgactttt tcaagagtgc catgcccgaa ggttatgtac aggaacgcac tatatctttc 300
aaagatgacg ggaactacaa gacgcgtgct gaagtcaagt ttgaaggtga tacccttgtt 360
aatcgtatcg agttaaaagg tattgatttt aaagaagatg gaaacattct cggacacaaa 420
ctcgagtaca actataactc acacaatgta tacatcacgg cagacaaaca aaagaatgga 480
atcaaagcta acttcaaaat tcgccacaac attgaagatg gatccgttca actagcagac 540
```

cattatcaac aaaatactcc aattggcgat ggccctgtcc ttttaccaga caaccattac 600
ctgtcgacac aatctgccct ttcgaaagat cccaacgaaa agcgtgacca catggtcctt 660
cttgagtttg taactgctgc tgggattaca catggcatgg atgaactata caaataa 717

<210> 3
<211> 3637
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 3
gtggcacttt tcggggaaat gtgcgcggaa cccctatttg tttatttttc taaatacatt 60
caaatatgta tccgctcatg agacaataac cctgataaat gcttcaataa tattgaaaaa 120
ggaagagtat gagtattcaa catttccgtg tcgcccttat tccctttttt gcggcatttt 180
gccttcctgt ttttgctcac ccagaaacgc tggtgaaagt aaaagatgct gaagatcagt 240
tgggtgcacg agtgggttac atcgaactgg atctcaacag cggtaagatc cttgagagtt 300
ttcgccccga agaacgtttt ccaatgatga gcacttttaa agttctgcta tgtggcgcgg 360
tattatcccg tattgacgcc gggcaagagc aactcggtcg ccgcatacac tattctcaga 420
atgacttggt tgagtactca ccagtcacag aaaagcatct tacggatggc atgacagtaa 480
gagaattatg cagtgctgcc ataaccatga gtgataacac tgcggccaac ttacttctga 540
caacgatcgg aggaccgaag gagctaaccg cttttttgca caacatgggg gatcatgtaa 600
ctcgccttga tcgttgggaa ccggagctga atgaagccat accaaacgac gagcgtgaca 660
ccacgatgcc tgtagcaatg gcaacaacgt tgcgcaaact attaactggc gaactactta 720
ctctagcttc ccggcaacaa ttaatagact ggatggaggc ggataaagtt gcaggaccac 780
ttctgcgctc ggcccttccg gctggctggt ttattgctga taaatctgga gccggtgagc 840
gtgggtctcg cggtatcatt gcagcactgg ggccagatgg taagccctcc cgtatcgtag 900
ttatctacac gacggggagt caggcaacta tggatgaacg aaatagacag atcgctgaga 960
taggtgcctc actgattaag cattggtaac tgtcagacca agtttactca tatatacttt 1020
agattgattt aaaacttcat ttttaattta aaaggatcta ggtgaagatc ctttttgata 1080
atctcatgac caaaatccct taacgtgagt tttcgttcca ctgagcgtca gaccccgtag 1140
aaaagatcaa aggatcttct tgagatcctt tttttctgcg cgtaatctgc tgcttgcaaa 1200
caaaaaaacc accgctacca gcggtggttt gtttgccgga tcaagagcta ccaactcttt 1260
ttccgaaggt aactggcttc agcagagcgc agataccaaa tactgtcctt ctagtgtagc 1320
cgtagttagg ccaccacttc aagaactctg tagcaccgcc tacatacctc gctctgctaa 1380
tcctgttacc agtggctgct gccagtggcg ataagtcgtg tcttaccggg ttggactcaa 1440
gacgatagtt accggataag gcgcagcggt cgggctgaac ggggggttcg tgcacacagc 1500
ccagcttgga gcgaacgacc tacaccgaac tgagatacct acagcgtgag ctatgagaaa 1560
gcgccacgct tcccgaaggg agaaaggcgg acaggtatcc ggtaagcggc agggtcggaa 1620
caggagagcg cacgagggag cttccagggg gaaacgcctg gtatctttat agtcctgtcg 1680
ggtttcgcca cctctgactt gagcgtcgat ttttgtgatg ctcgtcaggg gggcggagcc 1740
tatggaaaaa cgccagcaac gcggcctttt tacggttcct ggccttttgc tggccttttg 1800
ctcacatgtt ctttcctgcg ttatcccctg attctgtgga taaccgtatt accgcctttg 1860
agtgagctga taccgctcgc cgcagccgaa cgaccgagcg cagcgagtca gtgagcgagg 1920
aagcggaaga gcgcccaata cgcaaaccgc ctctccccgc gcgttggccg attcattaat 1980
gcagctggca cgacaggttt cccgactgga aagcgggcag tgagcgcaac gcaattaatg 2040
tgagttagct cactcattag gcaccccagg ctttacactt tatgcttccg gctcgtatgt 2100
tgtgtggaat tgtgagcgga taacaatttc acacaggaaa cagctatgac catgattacg 2160
ccaagcgcgc aattaaccct cactaaaggg aacaaaagct gggtaccgat gagtaaagga 2220
gaagaacttt tcactggagt tgtcccaatt cttgttgaat tagatggtga tgttaatggg 2280
cacaaatttt ctgtcagtgg agagggtgaa ggtgatgcaa catacggaaa acttaccctt 2340
aaatttattt gcactactgg aaaactacct gttccatggc caacacttgt cactactttc 2400

tcttatggtg ttcaatgctt ttcaagatac ccagatcata tgaaacggca tgactttttc 2460
aagagtgcca tgcccgaagg ttatgtacag gaaagaacta tatttttcaa ggatgacggg 2520
aactacaaga cacgtgctga agtcaagttt gaaggtgata cccttgttaa tagaatcgag 2580
ttaaaaggta ttgattttaa agaagatgga aacattcttg gacacaaatt ggaatacaac 2640
tataactcac acaatgtata catcatggca gacaaacaaa agaatggaat caaagttaac 2700
ttcaaaatta gacacaacat tgaagatgga agcgttcaac tagcagacca ttatcaacaa 2760
aatactccaa ttggcgatgg ccctgtcctt ttaccagaca accattacct gtccacacaa 2820
tctgcccttt cgaaagatcc caacgaaaag agagaccaca tggtccttct tgagtttgta 2880
acagctgctg ggattacaca tggcatggat gaactataca aataagaatt cctgcagccc 2940
gggggatcca ctagttctag agcggccgcc accgcggtgg agctccaatt cgccctatag 3000
tgagtcgtat tacgcgcgct cactggccgt cgttttacaa cgtcgtgact gggaaaaccc 3060
tggcgttacc caacttaatc gccttgcagc acatccccct ttcgccagct ggcgtaatag 3120
cgaagaggcc cgcaccgatc gcccttccca acagttgcgc agcctgaatg gcgaatggga 3180
cgcgccctgt agcggcgcat taagcgcggc gggtgtggtg gttacgcgca gcgtgaccgc 3240
tacacttgcc agcgccctag cgcccgctcc tttcgctttc ttcccttcct ttctcgccac 3300
gttcgccggc tttccccgtc aagctctaaa tcgggggctc cctttagggt tccgatttag 3360
tgctttacgg cacctcgacc ccaaaaaact tgattagggt gatggttcac gtagtgggcc 3420
atcgccctga tagacggttt ttcgcccttt gacgttggag tccacgttct ttaatagtgg 3480
actcttgttc caaactggaa caacactcaa ccctatctcg gtctattctt ttgatttata 3540
agggattttg ccgatttcgg cctattggtt aaaaaatgag ctgatttaac aaaaatttaa 3600
cgcgaatttt aacaaaatat taacgcttac aatttag 3637

<210> 4
<211> 3637
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 4
gtggcacttt tcggggaaat gtgcgcggaa cccctatttg tttatttttc taaatacatt 60
caaatatgta tccgctcatg agacaataac cctgataaat gcttcaataa tattgaaaaa 120
ggaagagtat gagtattcaa catttccgtg tcgcccttat tccctttttt gcggcatttt 180
gccttcctgt ttttgctcac ccagaaacgc tggtgaaagt aaaagatgct gaagatcagt 240
tgggtgcacg agtgggttac atcgaactgg atctcaacag cggtaagatc cttgagagtt 300
ttcgccccga agaacgtttt ccaatgatga gcacttttaa agttctgcta tgtggcgcgg 360
tattatcccg tattgacgcc gggcaagagc aactcggtcg ccgcatacac tattctcaga 420
atgacttggt tgagtactca ccagtcacag aaaagcatct tacggatggc atgacagtaa 480
gagaattatg cagtgctgcc ataaccatga gtgataacac tgcggccaac ttacttctga 540
caacgatcgg aggaccgaag gagctaaccg cttttttgca caacatgggg gatcatgtaa 600
ctcgccttga tcgttgggaa ccggagctga atgaagccat accaaacgac gagcgtgaca 660
ccacgatgcc tgtagcaatg gcaacaacgt tgcgcaaact attaactggc gaactactta 720
ctctagcttc ccggcaacaa ttaatagact ggatggaggc ggataaagtt gcaggaccac 780
ttctgcgctc ggcccttccg gctggctggt ttattgctga taaatctgga gccggtgagc 840
gtgggtctcg cggtatcatt gcagcactgg ggccagatgg taagccctcc cgtatcgtag 900
ttatctacac gacggggagt caggcaacta tggatgaacg aaatagacag atcgctgaga 960
taggtgcctc actgattaag cattggtaac tgtcagacca agtttactca tatatacttt 1020
agattgattt aaaacttcat ttttaattta aaaggatcta ggtgaagatc ctttttgata 1080
atctcatgac caaaatccct taacgtgagt tttcgttcca ctgagcgtca gaccccgtag 1140
aaaagatcaa aggatcttct tgagatcctt tttttctgcg cgtaatctgc tgcttgcaaa 1200
caaaaaaacc accgctacca gcggtggttt gtttgccgga tcaagagcta ccaactcttt 1260
ttccgaaggt aactggcttc agcagagcgc agataccaaa tactgtcctt ctagtgtagc 1320

cgtagttagg ccaccacttc aagaactctg tagcaccgcc tacatacctc gctctgctaa 1380
tcctgttacc agtggctgct gccagtggcg ataagtcgtg tcttaccggg ttggactcaa 1440
gacgatagtt accggataag gcgcagcggt cgggctgaac gggggggttcg tgcacacagc 1500
ccagcttgga gcgaacgacc tacaccgaac tgagatacct acagcgtgag ctatgagaaa 1560
gcgccacgct tcccgaaggg agaaaggcgg acaggtatcc ggtaagcggc agggtcggaa 1620
caggagagcg cacgagggag cttccagggg gaaacgcctg gtatctttat agtcctgtcg 1680
ggtttcgcca cctctgactt gagcgtcgat ttttgtgatg ctcgtcaggg gggcggagcc 1740
tatggaaaaa cgccagcaac gcggcctttt tacggttcct ggccttttgc tggccttttg 1800
ctcacatgtt ctttcctgcg ttatcccctg attctgtgga taaccgtatt accgcctttg 1860
agtgagctga taccgctcgc cgcagccgaa cgaccgagcg cagcgagtca gtgagcgagg 1920
aagcggaaga gcgcccaata cgcaaaccgc ctctccccgc gcgttggccg attcattaat 1980
gcagctggca cgacaggttt cccgactgga aagcgggcag tgagcgcaac gcaattaatg 2040
tgagttagct cactcattag gcaccccagg ctttacactt tatgcttccg gctcgtatgt 2100
tgtgtggaat tgtgagcgga taacaatttc acacaggaaa cagctatgac catgattacg 2160
ccaagcgcgc aattaaccct cactaaaggg aacaaaagct gggtaccgat gagtaaagga 2220
gaagaacttt tcactggagt tgtcccaatt cttgttgaat tagatggtga tgttaatggg 2280
cacaaatttt ctgtcagtgg agagggtgaa ggtgatgcta catacggaaa gcttaccctt 2340
aaatttattt gcactactgg aaaactacct gttccatggc caacacttgt cactactttc 2400
tcttatggtg ttcaatgctt ttcccgttat ccggatcata tgaaacggca tgacttttttc 2460
aagagtgcca tgcccgaagg ttatgtacag gaacgcacta tatctttcaa agatgacggg 2520
aactacaaga cgcgtgctga agtcaagttt gaaggtgata cccttgttaa tcgtatcgag 2580
ttaaaaggta ttgattttaa agaagatgga aacattctcg gacacaaact cgagtacaac 2640
tataactcac acaatgtata catcacggca gacaaacaaa agaatggaat caaagctaac 2700
ttcaaaattc gccacaacat tgaagatgga tccgttcaac tagcagacca ttatcaacaa 2760
aatactccaa ttggcgatgg ccctgtcctt ttaccagaca accattacct gtcgacacaa 2820
tctgcccttt cgaaagatcc caacgaaaag cgtgaccaca tggtccttct tgagtttgta 2880
actgctgctg ggattacaca tggcatggat gaactataca aataagaatt cctgcagccc 2940
gggggatcca ctagttctag agcggccgcc accgcggtgg agctccaatt cgccctatag 3000
tgagtcgtat tacgcgcgct cactggccgt cgttttacaa cgtcgtgact gggaaaaccc 3060
tggcgttacc caacttaatc gccttgcagc acatcccccct ttcgccagct ggcgtaatag 3120
cgaagaggcc cgcaccgatc gcccttccca acagttgcgc agcctgaatg gcgaatggga 3180
cgcgccctgt agcggcgcat taagcgcggc gggtgtggtg gttacgcgca gcgtgaccgc 3240
tacacttgcc agcgccctag cgcccgctcc tttcgctttc ttcccttcct ttctcgccac 3300
gttcgccggc tttccccgtc aagctctaaa tcgggggctc cctttagggt tccgatttag 3360
tgctttacgg cacctcgacc ccaaaaaact tgattagggt gatggttcac gtagtgggcc 3420
atcgccctga tagacggttt ttcgcccttt gacgttggag tccacgttct ttaatagtgg 3480
actcttgttc caaactggaa caacactcaa ccctatctcg gtctattctt ttgatttata 3540
agggattttg ccgatttcgg cctattggtt aaaaaatgag ctgatttaac aaaaatttaa 3600
cgcgaatttt aacaaaatat taacgcttac aatttag 3637

<210> 5
<211> 717
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 5
atgagtaaag gagaagaact tttcactgga gttgtcccaa ttcttgttga attagatggt 60
gatgttaatg ggcacaaatt ttctgtcagt ggagagggtg aaggtgatgc aacatacgga 120
aaacttaccc ttaaatttat ttgcactact ggaaaactac ctgttccatg gccaacactt 180
gtcactactt tctcttatgg tgttcaatgc ttttcaagat acccagatca tatgaaacgg 240

catgactttt tcaagagtgc catgcccgaa ggttatgtac aggaacgcac tatatttttc 300
aaggatgacg ggaactacaa gacacgtgct gaagtcaagt ttgaaggtga taccccttgtt 360
aatagaatcg agttaaaagg tattgatttt aaagaagatg gaaacattct tggacacaaa 420
ttggaataca actataactc acacaatgta tacatcatgg cagacaaaca aaagaatgga 480
atcaaagtta acttcaaaat tagacacaac attgaagatg gaagcgttca actagcagac 540
cattatcaac aaaatactcc aattggcgat ggccctgtcc ttttaccaga caaccattac 600
ctgtccacac aatctgccct ttcgaaagat cccaacgaaa agagagacca catggtcctt 660
cttgagtttg taacagctgc tgggattaca catggcatgg atgaactata caaataa 717

<210> 6
<211> 717
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 6
atgagtaaag gagaagaact tttcactgga gttgtcccaa ttcttgttga attagatggt 60
gatgttaatg ggcacaaatt ttctgtcagt ggagagggtg aaggtgatgc tacatacgga 120
aagcttaccc ttaaatttat ttgcactact ggaaaactac ctgttccatg gccaacactt 180
gtcactactt tctcttatgg tgttcaatgc ttttcaagat acccagatca tatgaaacgg 240
catgactttt tcaagagtgc catgcccgaa ggttatgtac aggaacgcac tatatctttc 300
aaagatgacg ggaactacaa gacacgtgct gaagtcaagt ttgaaggtga taccccttgtt 360
aatagaatcg agttaaaagg tattgatttt aaagaagatg gaaacattct tggacacaaa 420
ctcgagtaca actataactc acacaatgta tacatcatgg cagacaaaca aaagaatgga 480
atcaaagtta acttcaaaat tagacacaac attgaagatg gaagcgttca actagcagac 540
cattatcaac aaaatactcc aattggcgat ggccctgtcc ttttaccaga caaccattac 600
ctgtccacac aatctgccct ttcgaaagat cccaacgaaa agagagacca catggtcctt 660
cttgagtttg taacagctgc tgggattaca catggcatgg atgaactata caaataa 717

<210> 7
<211> 717
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 7
atgagtaaag gagaagaact tttcactgga gttgtcccaa ttcttgttga attagatggt 60
gatgttaatg ggcacaaatt ttctgtcagt ggagagggtg aaggtgatgc tacatacgga 120
aagcttaccc ttaaatttat ttgcactact ggaaaactac ctgttccatg gccaacactt 180
gtcactactt tctcttatgg tgttcaatgc ttttcccgtt atccggatca tatgaaacgg 240
catgactttt tcaagagtgc catgcccgaa ggttatgtac aggaacgcac tatatctttc 300
aaagatgacg ggaactacaa gacgcgtgct gaagtcaagt ttgaaggtga taccccttgtt 360
aatagaatcg agttaaaagg tattgatttt aaagaagatg gaaacattct cggacacaaa 420
ttggaataca actataactc acacaatgta tacatcacgg cagacaaaca aaagaatgga 480
atcaaagcta acttcaaaat tcgccacaac attgaagatg gatccgttca actagcagac 540
cattatcaac aaaatactcc aattggcgat ggccctgtcc ttttaccaga caaccattac 600
ctgtcgacac aatctgccct ttcgaaagat cccaacgaaa agcgtgacca catggtcctt 660
cttgagtttg taactgctgc tgggattaca catggcatgg atgaactata caaataa 717

<210> 8
<211> 717
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 8
atgagtaaag gagaagaact tttcactgga gttgtcccaa ttcttgttga attagatggt 60
gatgttaatg ggcacaaatt ttctgtcagt ggagagggtg aaggtgatgc aacatacgga 120
aaacttaccc ttaaatttat ttgcactact ggaaaactac ctgttccatg gccaacactt 180
gtcactactt tctcttatgg tgttcaatgc ttttcaagat acccagatca tatgaaacgg 240
catgactttt tcaagagtgc catgcccgaa ggttatgtac aggaaagaac tatatttttc 300
aaggatgacg ggaactacaa gacacgtgct gaagtcaagt ttgaaggtga tacccttgtt 360
aatagaatcg agttaaaagg tattgatttt aaagaagatg gaaacattct cggacacaaa 420
ctcgagtaca actataactc acacaatgta tacatcatgg cagacaaaca aaagaatgga 480
atcaaagtta acttcaaaat tcgccacaac attgaagatg gatccgttca actagcagac 540
cattatcaac aaaatactcc aattggcgat ggccctgtcc ttttaccaga caaccattac 600
ctgtccacac aatctgccct ttcgaaagat cccaacgaaa agagagacca catggtcctt 660
cttgagtttg taacagctgc tgggattaca catggcatgg atgaactata caaataa 717

<210> 9
<211> 795
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 9
atggctctag ttgttaaagg taaggtaaat attaatgagt ttatcgatct gtcaaagtct 60
gagaaacttc tcccgtcgat gttcacgcct gtaaagagtg ttatggtttc aaaggttgat 120
aagattatgg tccatgaaaa tgaatcattg tctgaagtaa atctcttaaa aggtgtaaaa 180
cttatagaag gtgggtatgt ttgcttagtt ggtcttgttg tgtccggtga gtggaattta 240
ccagataatt gccgtggtgg tgtgagtgtc tgcatggttg acaagagaat ggaaagagcg 300
gacgaagcca cactggggtc atattacact gctgctgcta aaaagcggtt tcagtttaaa 360
gtggtcccaa attacggtat tactacaaag gatgcagaaa agaacatatg gcaggtctta 420
gtaaatatta aaaatgtaaa aatgagtgcg ggctactgcc ctttgtcatt agaatttgtg 480
tctgtgtgta ttgtttataa aaataatata aaattgggtt tgagggagaa agtaacgagt 540
gtgaacgatg gaggacccat ggaactttca gaagaagttg ttgatgagtt catggagaat 600
gttccaatgt cggttagact cgcaaagttt cgaaccaaat cctcaaaaag aggtccgaaa 660
aataataata atttaggtaa ggggcgttca ggcggaaggc ctaaaccaaa aagttttgat 720
gaagttgaaa aagagtttga taatttgatt gaagatgaag ccgagacgtc ggtcgcggat 780
tctgattcgt attaa 795

<210> 10
<211> 807
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 10
atggctctag ttgttaaagg aaaagtgaat atcaatgagt ttatcgacct gacaaaaatg 60
gagaagatct taccgtcgat gtttaccct gtaaagagtg ttatgtgttc caaagttgat 120
aaaataatgg ttcatgagaa tgagtcattg tcaggggtga accttcttaa aggagttaag 180
cttattgata gtggatacgt ctgtttagcc ggtttggtcg tcacgggcga gtggaacttg 240
cctgacaatt gcagaggagg tgtgagcgtg tgtctggtgg acaaaaggat ggaaagagcc 300
gacgaggcca ctctcggatc ttactacaca gcagctgcaa agaaaagatt tcagttcaag 360
gtcgttccca attatgctat aaccacccag gacgcgatga aaaacgtctg gcaagtttta 420
gttaatatta gaaatgtgaa gatgtcagcg ggtttctgtc cgctttctct ggagtttgtg 480
tcggtgtgta ttgtttatag aaataatata aaattaggtt tgagagagaa gattacaaac 540
gtgagagacg gagggcccat ggaacttaca gaagaagtcg ttgatgagtt catggaagat 600
gtccctatgt cgatcaggct tgcaaagttt cgatctcgaa ccggaaaaaa gagtgatgtc 660
cgcaaaggga aaaatagtag tagtgatcgg tcagtgccga acaagaacta tagaaatgtt 720
aaggattttg gaggaatgag ttttaaaaag aataatttaa tcgatgatga ttcggaggct 780
actgtcgccg aatcggattc gttttaa 807

<210> 11
<211> 795
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 11
atggctctag ttgttaaagg taaggtaaat attaatgagt ctatcgatct gtcaaagtct 60
gagaaacttc tcccgtcgat gttcacgcct gtaaagagtg ttatggtttc aaaggttgat 120
aagattatgg tccatgaaaa tgaatcattg tctgaagtaa atctcttaaa aggtgtaaaa 180
cttatagaag gtgggtatgt ttgcttagtt ggtcttgttg tgtccggtga gtggaattta 240
ccagataatt gccgtggtgg tgtgagtgtc tgcatggttg acaagagaat ggaaagagcg 300
gacgaagcca cactggggtc atattacact gctgctgcta aaaagcggtt tcagttcaag 360
gtcgttccca attatgctat aaccacccag gatgcagaaa agaacatatg gcaggtctta 420
gtaaatatta aaaatgtaaa aatgagtgcg ggctactacc ctttgtcatt agaatttgtg 480
tctgtgtgta ttgtttataa aaataatata aaattgggtt tgagggagaa agtaacgagt 540
gtgaacgatg gaggacccat ggaactttca gaagaagttg ttgatgagtt catggagaat 600
gttccaatgt cgatcaggct tgcaaagttt cgaaccaaat cctcaaaaag aggtccgaaa 660
aataataata atttaggtaa ggggcgttca ggcggaaggc ctaaaccaag aagttttgat 720
gaagttgaaa aagagtttga taatttgatt gaagatgaag ccgagacgtc ggtcgcggat 780
tctgattcgt attaa 795

<210> 12
<211> 795
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 12
atggctctag ttgttaaagg taaggtaaat attaatgagt ttatcgatct gtcaaagtct 60
gagaaacttc tcccgtcgat gttcacgcct gtaaagagtg ttatggtttc aaaggttgat 120
aagattatgg tccatgaaaa tgaatcattg tctgaagtaa atctcttaaa aggtgtaaaa 180

cttatagaag gtgggtatgt ttgcttagtt ggtcttgttg tgtccggtgt gtggaattta 240
ccagataatt gccgtggtgg tgtgagtgtc tgcatggttg acaagagaat ggaaagagcg 300
gacgaggcca cactcggatc ttactacact gctgctgcta aaaagcggtt tcagttcaag 360
gtcgttccca attatgctat aaccacccag gatgcagaaa agaacatatg gcaggtctta 420
gtaaatatta aaaatgtaaa aatgagtgcg ggctactgcc ctttgtcatt agaatttgtg 480
tctgtgtgta ttgtttataa aaataatata aaattgggtt tgagggagaa agtaacgagt 540
gtgaacgatg gaggacccat ggaactttca gaagaagttg ttgatgagtt catggagaat 600
gttccaatgt cggttagact cgcaaagttt cgaaccaaat cctcaaaaag aggtccgaaa 660
aataataata atttaggtaa ggggcgttca ggcggaaggc ctaaaccaaa aagttttgat 720
gaagttggaa aagagtttga taatttgatt gaagatgaag ccgagacgtc ggtcgcggat 780
tctgattcgt attaa 795

<210> 13
<211> 795
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 13
atggctctag ttgttaaagg taaggtaaat attaatgagt ttatcgatct gtcaaagtct 60
gagaaacttc tcccgtcgat gttcacgcct gtaaggagtg ttatggtttc aaaggttgat 120
aagattatgg tccatgaaaa tgaatcattg tctgaagtaa atctcttaaa aggtgtaaaa 180
cttatagaag gtgggtatgt ttgcttagtt ggtcttgttg tgtccggtga gtggaattta 240
ccagataatt gccgtggtgg tgtgagtgtc tgcatggttg acaagagaat ggaaagagcg 300
gacgaagcca cactggggtc atattacact gctgctgcta aaaagcggtt tcagtttaaa 360
gtggtcccaa attacggtat tactacccag gacgcgatga aaaacgtctg gcaggtctta 420
gtaaatatta aaaatgtaaa aatgagtgcg ggctactgcc ctttgtcatt agaatttgtg 480
tctgtgtgta ttgtttataa aaataatata aaattgggtt tgagggagaa agtaacgagt 540
gtgaacgatg gaggacccat ggaactttca gaagaagttg ttgatgagtt catggagaat 600
gttccaatgt cgatcagact cgcaaagttt cgaaccaaat cctcaaaaag aggtccgaaa 660
aataataata atttaggtaa ggggcgttca ggcggaaggc ctaaaccaaa aagttttgat 720
gaagttgaaa aagagtttga taatttgatt gaagatgaag ccgagacgtc ggtcgcggat 780
tctgattcgt attaa 795

<210> 14
<211> 796
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 14
atggctctag ttgttaaagg taaggtaaat attaatgagt ttatcgatct gtcaaagtct 60
gagaaacttc tcccgtcgat gttcacgcct gtaaagagtg ttatggtttc aaaggttgat 120
aagattatgg tccatgaaaa tgaatcattg tctgaagtaa atctcttaaa aggtgttaag 180
cttattgata gtggatacgt ctgtttagcc ggtttggtcg tcacgggcga gtggaattta 240
ccagataatt gccgtggtgg tgtgagtgtc tgcatggttg acaagagaat ggaaagagcg 300
gacgaagcca cactggggtc atattacact gctgctgcta aaaagcggtt tcagttcaag 360
gtcgttccca aattacggta ttactaccca ggatgcagaa aagaacatat ggcaggtctt 420
agtaaatatt aaaaatgtaa aaatgagtgc gggctactgc ccgctttctc tggagtttgt 480

gtctgtgtgt attgtttata aaaataatat aaaattgggt ttgagggaga aagtaacgag 540
tgtgaacgat ggaggaccca tggaactttc agaagaagtt gttgatgagt tcatggagaa 600
tgttccaatg tcggttagac tcgcaaagtt tcgaaccaaa tcctcaaaaa gaggtccgaa 660
aaataataat aatttaggta aggggcgttc aggcggaagg cctaaaccaa aaagttttga 720
tgaagttgaa aaagagtttg ataatttgat tgaggatgat tcggaggcta ctgtcgccga 780
ttctgattcg tattaa 796

<210> 15
<211> 795
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 15
atggctctag ttgttaaagg aaaagtgaat attaatgagt ttatcgatct gtcaaagtct 60
gagaaacttc tcccgtcgat gttcacgcct gtaaagagtg ttatggtttc aaaggttgat 120
aagattatgg tccatgaaaa tgaatcattg tctgaagtaa atctcttaaa aggtgtaaaa 180
cttatagaag gtgggtatgt ttgcttagtt ggtcttgttg tgtccggcga gtggaattta 240
ccagataatt gccgtggtgg tgtgagtgtc tgcatggttg acaagagaat ggaaagagcg 300
gacgaagcca cactggggtc atattacact gctgctgcaa agaaaagatt tcagttcaag 360
gtcgttccca attatgctat aaccacccag gatgcagaaa agaacatatg gcgggtctta 420
gtaaatatta aaaatgtaaa aatgagtgcg ggctactgcc cgctttctct ggagtttgtg 480
tctgtgtgta ttgtttataa aaataatata aaattgggtt tgagggagaa agtaacgagt 540
gtgaacgatg aaggacccat ggaactttca gaagaagttg ttgatgagtt catggagaat 600
gttccaatgt cgatcaggct cgcaaagttt cgaaccaaat cctcaaaaag aggtccgaaa 660
aataataata atttaggtaa ggggcgttca ggcggaaggc ctaaaccaaa aagttttgat 720
gaagttgaaa aagagtttga taatttgatt gaagatgaag ccgagacgtc ggtcgcggat 780
tctgattcgt actaa 795